HYDROLOGICAL MEMORANDA NO.12

RAINFALL OVER THE AREAS OF THE DEVON AND CORNWALL RIVER BOARDS 1916-1950

1. Rainfall, 1916-1950

1.1. Introduction. The estimation of standard-period averages for the months or for the year, is carried out in three stages; the selection of sound, homogeneous records complete for the 35 years, 1916-1950, which provide arithmetic means of monthly and annual rainfall, the basic values for all other work; the estimation of standard-period, annual averages for short-period stations; the estimation of standard-period, monthly averages for stations in the second group, where these are needed for special purposes.

A detailed account of the methods developed and used in the Meteorological Office (M.O.3) to estimate standard-period averages from short-period records, is given in Hydrological Memoranda No. 5.

It is possible to process the data in a number of ways but the maps and tables are presented here in the simplest, most precise forms in order to be of use to a wide range of enquirers.

1.2 The Primary Survey, for Great Britain and Northern Ireland, of stations with complete records during 1916-1950, included some cases where the site had been changed to one with a better exposure and observations from both sites had been recorded for a few years. Attempts were made to amend the earlier readings by comparison of the data during a period of overlap, in order to have a set of values from 1916, to the date of the change, which would be representative of the later, and better, record. But since the earlier exposures were usually unsatisfactory (being over-exposed or over-sheltered), the results were mostly erratic and the amended sets of values were not homogeneous. In a few cases, small breaks in a long record were completed by using estimated values, based on a nearby station, with or without the use of a modifying factor.

Of the many records examined, monthly and annual averages were accepted for 34 stations, 15 for the Devon River Board and 19 for the Cornwall River Board. The accepted values (in inches), together with the proportions (per cent) of each monthly average to the annual average, are given in Table I together with the altitude and the National Grid reference for each station. Most of these averages were included in H.M.S.O. publication, M.O.635, "Averages of Rainfall for Great Britain and Northern Ireland, 1916-1950", some were omitted because other stations were so near.

The percentage proportion of monthly averages to the annual averages for the long-period stations were used to draw a series of twelve monthly maps from which it is possible to estimate the percentage of average annual rainfall, for any place, for each month of the year. These maps are shown as Figure 1. Values estimated for a few points between the isopercental lines have been added to give a clearer indication of the variations from place to place. The points chosen are not necessarily the same for each map.

1.3 The Secondary Survey of short-period stations was undertaken next, using records up to the time of the survey, usually into the late 1950's. Long-period stations, whose averages had been rejected from the Primary Survey because the record was not homogeneous, were examined again and averages were estimated for the later (and usually improved) part of the series of observations. Averages based on data for less than 5 years were not usually accepted for publication. A list of the accepted averages, for the short-period stations, is given in Table II together with the altitude and National Grid reference for each. The stations are listed in an order based on natural drainage areas which will be used for the first time in British Rainfall, 1961.

These averages, together with the long-period averages listed in Table I, were plotted on Ordnance Survey Maps (scale 4 miles to the inch), and used to draw the lines of average annual rainfall, 1916-1950. The map is shown as Figure 2. The Secondary Survey is frequently revised for special areas using the most up-to-date observations for relatively new stations and the map is subject to revision from time to time. The redrawing of the isohyets usually results in greater detail and perhaps a clearer definition of a wet area as more and more observations become available from improved River Board networks of rain-gauges. Drastic changes are not expected. In Tables, I, II and III with a few exceptions the average quoted are for records still being maintained in 1963.

1.4 Monthly Averages for a further group of stations were next estimated for use in the Monthly Weather Report and for enquiries. For this purpose some stations were chosen from those listed in Table II to supplement those listed in Table I. To find the monthly averages, the monthly proportions (per cent of annual average) were chosen from the equipercental maps (see Fig. 1) so that the total for the twelve months was 100. These monthly percentages were then used to apportion the annual average (in inches) amongst the months. The results are given in Table III.

1.5 Daily Rainfall, 1916-50. Six of the initial 34 records which were accepted for the Primary Survey (1.2.) were analysed further. These records had regular daily entries, for the 24-hour period 0900 to 0900, for each of the 35 years, 1916-1950. Table IVa gives, for each of the stations, the 35-year totals for each day of the year (in inches). Table IVb gives 1/35 of all possible totals from .17 in. to 24.67 in., thus providing a reduction table for the values in IVa to give average daily falls from "trace" to .70 in. For 29 February the reduction factor is, of course, 1/9.

These daily averages can be re-grouped as 5-day means, 7-day means, consecutive or sliding means or in whatever form suits a specific requirement.

2. Frequencies of Daily Rainfall, 1916-1950. The same set of daily values used for Table IVa were re-grouped to give frequency tables with intervals of .01 inch. These have been re-arranged in Table V, to give accumulated frequencies with intervals of .10 in. up to 2.50 in. and a wider grouping above this.

3. Extremes of Rainfall. The records for the 35-year period, 1916-1950, for the stations used in Tables IV and V were also used to find maximum and minimum values for the year and for each month and also maximum daily values for each month. These maxima and minima are given in Table VI and Table VII. Additional extremes are given in these tables to cover the 50-year period, 1911-1960.

Appendix I

Intense Falls. Falls of 2 hours or less, which have been recorded in British Rainfall and rank as "noteworthy", "remarkable" or "very rare", are listed in Appendix I.

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TABLE I. Monthly and Annual Averages of Rainfall (in inches), 1916-1950 over the areas of the Devon and Cornwall River Boards.

County	Station	Alt. ft.	N.G.R.	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year	
Sommerset	Cricket St. Thomas	444	ST(33)374088	4.46	3.24	2.79	2.60	2.66	1.96	3.09	3.18	3.22	4.26	4.84	4.65	40.95	Inch
				10.9	7.9	6.8	6.3	6.5	4.8	7.5	7.8	7.9	10.4	11.8	11.4	100.0	%
Dorset	Forde Abbey	200	ST(31)359052	4.38	3.04	2.68	2.54	2.53	1.84	2.88	3.03	3.01	3.91	4.77	4.52	39.18	Inch
				11.2	7.8	6.8	6.5	6.5	4.7	7.3	7.7	7.7	10.1	12.2	11.5	100.0	%
S. Devon	Exmouth Filters	240	SY(30)027819	3.43	2.39	2.38	2.16	2.28	1.74	2.27	2.56	2.62	3.09	3.57	3.54	32.00	Inch
				10.7	7.5	7.4	6.7	7.0	5.4	7.1	8.0	8.2	9.7	11.2	11.1	100.0	%
"	Exeter Institution	155	SX(20)921926	3.56	2.54	2.32	2.06	2.14	1.64	2.29	2.47	2.44	3.08	3.76	3.60	31.90	Inch
				11.2	8.0	7.3	6.5	6.7	5.1	7.2	7.7	7.6	9.6	11.8	11.3	100.0	%
"	Copplestone	325	SS(21)771020	4.04	2.87	2.39	2.38	2.29	1.80	2.70	2.90	2.77	3.74	4.15	3.96	35.99	Inch
				11.2	8.0	6.6	6.6	6.4	5.0	7.5	8.1	7.7	10.4	11.5	11.0	100.0	%
"	Teignmouth	20	SX(20)941728	3.77	2.69	2.51	2.13	2.27	1.67	2.18	2.46	2.55	3.25	3.90	3.85	33.23	Inch
				11.3	8.1	7.6	6.4	6.8	5.0	6.6	7.4	7.7	9.8	11.7	11.6	100.0	%
"	Laployd	1041	SX(20)807849	6.10	3.92	3.43	3.09	2.98	2.10	3.00	3.36	3.47	4.64	5.94	5.91	47.97	Inch
				12.7	8.2	7.2	6.4	6.2	4.4	6.3	7.0	7.2	9.7	12.4	12.3	100.0	%
"	Shaldon Res.	213	SX(20)927713	4.27	2.94	2.72	2.34	2.50	1.87	2.46	2.74	2.89	3.66	4.55	4.35	37.29	Inch
				11.5	7.9	7.3	6.3	6.7	5.0	6.6	7.3	7.7	9.8	12.2	11.7	100.0	%
"	Hazeldown Res.	427	SX(20)935745	3.98	2.80	2.67	2.35	2.50	1.93	2.48	2.83	2.82	3.60	4.21	4.09	36.26	Inch
				11.0	7.7	7.4	6.5	6.9	5.3	6.8	7.8	7.8	9.9	11.6	11.3	100.0	%
"	Torquay	26	SX(20)909637	4.10	2.87	2.63	2.26	2.27	1.77	2.15	2.64	2.64	3.32	4.26	4.07	34.98	Inch
				11.7	8.2	7.5	6.5	6.5	5.1	6.1	7.6	7.5	9.5	12.2	11.6	100.0	%
"	Princetown Prison	1359	SX(20)586741	10.82	6.83	5.89	5.18	4.89	4.53	6.58	6.70	6.65	9.05	10.25	10.26	87.63	Inch
				12.4	7.8	6.7	5.9	5.6	5.2	7.5	7.6	7.6	10.3	11.7	11.7	100.0	%

(4593)

TABLE I. Devon and Cornwall (Contd.)

County	Station	Alt. ft.	N.G.R.	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year	
N. Devon	Melbury Res.	515	SS(21)386201	6.38 11.6	4.14 7.5	3.21 5.8	3.07 5.6	2.97 5.4	2.83 5.1	4.27 7.7	4.38 7.9	4.72 8.5	6.26 11.3	6.67 12.1	6.35 11.5	55.25 100.0	Inch %
"	Challacombe	904	SS(21)689410	7.47 11.4	5.11 7.8	3.72 5.7	3.87 5.9	3.41 5.2	3.34 5.1	4.93 7.5	5.80 8.9	5.70 8.7	7.09 10.9	7.51 11.5	7.44 11.4	65.39 100.0	Inch %
"	Ilfracombe Res.	395	SS(21)505453	5.08 10.5	3.49 7.2	2.92 6.0	2.90 6.0	2.83 5.9	2.63 5.4	4.18 8.6	4.18 8.6	4.30 8.9	5.38 11.1	5.35 11.0	5.25 10.8	48.49 100.0	Inch %
"	Ilfracombe	25	SS(21)520478	4.11 10.7	2.80 7.3	2.44 6.4	2.29 6.0	2.25 5.9	1.92 5.0	2.98 7.8	3.15 8.2	3.34 8.7	4.37 11.4	4.30 11.2	4.38 11.4	38.33 100.0	Inch %
S. Devon	Leather Tor Farm	910	SX(20)566698	7.13 11.5	4.86 7.8	4.20 6.7	3.73 6.0	3.56 5.7	3.26 5.2	4.61 7.4	4.88 7.8	4.86 7.8	6.48 10.4	7.39 11.9	7.32 11.8	62.28 100.0	Inch %
"	Deancombe Farm	807	SX(20)578687	7.57 11.5	5.27 8.0	4.46 6.8	3.87 5.9	3.72 5.7	3.25 4.9	4.85 7.4	5.10 7.7	5.07 7.7	6.88 10.4	7.90 12.0	7.90 12.0	65.84 100.0	Inch %
"	Sheepstor (Head Weir)	740	SX(20)553687	7.25 11.6	4.88 7.8	4.13 6.6	3.59 5.8	3.56 5.7	3.24 5.2	4.72 7.6	4.78 7.7	4.84 7.8	6.57 10.5	7.38 11.9	7.36 11.8	62.30 100.0	Inch %
"	Sheepstor (Redstone)	760	SX(20)558682	7.35 11.7	4.94 7.9	4.18 6.7	3.56 5.7	3.59 5.7	3.22 5.2	4.69 7.5	4.80 7.7	4.90 7.8	6.51 10.4	7.43 11.9	7.41 11.8	62.58 100.0	Inch %
"	Hartley Res.	321	SX(20)486569	4.89 11.4	3.42 7.9	2.98 6.9	2.52 5.9	2.68 6.2	2.30 5.3	3.04 7.1	3.33 7.7	3.25 7.6	4.40 10.2	5.13 11.9	5.12 11.9	43.06 100.0	Inch %
"	Plymouth, The Hoe	118	SX(20)478537	4.29 11.4	3.08 8.2	2.73 7.2	2.20 5.8	2.37 6.3	2.00 5.3	2.57 6.8	2.88 7.6	2.89 7.6	3.81 10.1	4.46 11.8	4.48 11.9	37.76 100.0	Inch %
Cornwall	Laundue	250	SX(20)349797	5.20 11.7	3.53 7.9	3.07 6.9	2.60 5.8	2.72 6.1	2.13 4.8	3.01 6.8	3.52 7.9	3.35 7.5	4.77 10.7	5.31 11.9	5.34 12.0	44.55 100.0	Inch %

TABLE I. Devon and Cornwall (Contd.)

County	Station	Alt. ft.	N.G.R.	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year	
Cornwall	St. Austell	310	SX(20)018525	5.63	4.07	3.50	2.93	3.06	2.32	3.39	3.60	3.58	5.02	5.63	5.63	48.36	Inch
				11.6	8.4	7.2	6.1	6.3	4.8	7.0	7.5	7.4	10.4	11.6	11.7	100.0	%
"	Truro W.Wks.	59	SW(10)847464	5.38	3.79	3.32	2.66	2.77	2.10	3.01	3.10	3.15	4.68	5.33	5.32	44.61	Inch
				12.1	8.5	7.4	6.0	6.2	4.7	6.7	7.0	7.1	10.5	11.9	11.9	100.0	%
"	Trevince	240	SW(10)737403	5.51	3.89	3.64	2.89	2.90	2.28	3.25	3.48	3.58	5.09	5.67	5.59	47.74	Inch
				11.5	8.1	7.6	6.1	6.1	4.8	6.8	7.2	7.5	10.7	11.9	11.7	100.0	%
"	Falmouth	167	SW(10)802325	5.20	3.73	3.17	2.62	2.60	1.98	2.80	3.04	3.07	4.62	5.19	5.28	43.30	Inch
				12.0	8.6	7.3	6.0	6.0	4.6	6.5	7.0	7.1	10.7	12.0	12.2	100.0	%
"	Penzance	62	SW(10)473300	5.01	3.50	3.17	2.51	2.44	1.96	2.74	2.95	3.15	4.36	4.90	4.84	41.53	Inch
				12.1	8.4	7.6	6.0	5.9	4.7	6.6	7.1	7.6	10.5	11.8	11.7	100.0	%
"	Trewidden	275	SW(10)443296	5.28	3.78	3.33	2.75	2.59	2.16	3.05	3.25	3.48	4.71	5.25	5.14	44.77	Inch
				11.8	8.5	7.4	6.1	5.8	4.8	6.8	7.3	7.8	10.5	11.7	11.5	100.0	%
"	St. Mary's, Scilly	158	SV(00)913120	3.55	2.72	2.52	2.11	2.17	1.74	2.22	2.52	2.46	3.57	3.61	3.52	32.71	Inch
				10.9	8.3	7.7	6.5	6.6	5.3	6.8	7.7	7.5	10.9	11.0	10.8	100.0	%
"	Tresco Abbey	40	SV(00)893143	3.79	2.89	2.60	2.13	2.29	1.73	2.31	2.47	2.56	3.67	3.80	3.76	34.00	Inch
				11.1	8.5	7.6	6.3	6.7	5.1	6.8	7.3	7.5	10.8	11.2	11.1	100.0	%
"	Newquay	175	SW(10)812614	3.80	2.68	2.31	1.94	2.18	1.78	2.65	2.68	2.64	3.76	3.94	3.82	34.18	Inch
				11.1	7.8	6.8	5.7	6.4	5.2	7.8	7.8	7.7	11.0	11.5	11.2	100.0	%
"	Stannon Clay Works	760	SX(20)125805	6.64	4.73	3.71	3.46	3.46	3.18	4.64	4.82	4.83	6.16	6.97	6.69	59.29	Inch
				11.2	8.0	6.3	5.8	5.8	5.4	7.8	8.1	8.1	10.4	11.8	11.3	100.0	%
"	Bodmin	484	SX(20)076673	5.50	3.97	3.42	2.81	3.12	2.49	3.56	3.95	3.82	4.96	5.80	5.50	48.90	Inch
				11.2	8.1	7.0	5.8	6.4	5.1	7.3	8.1	7.8	10.1	11.9	11.2	100.0	%
"	Bude	50	SS(21)208063	3.69	2.52	2.15	1.94	2.10	1.79	2.68	2.82	2.96	3.77	3.94	3.81	34.17	Inch
				10.8	7.4	6.3	5.7	6.1	5.2	7.8	8.3	8.7	11.0	11.5	11.2	100.0	%

TABLE II Estimated Annual Averages of Rainfall, 1916-50, for short period stations over the areas of the Devon and Cornwall River Boards

Devon River Board

County	Station	N.G.R.	Alt. (ft.)	Av.(in)
Somerset	Wayford Manor	ST(31)405067	420	39.15
S. Devon	Hawkchurch	ST(31)343004	290	38.72
"	Cotleigh House	ST(31)207022	540	43.88
"	Seaton Junction	SY(30)249965	114	37.95
"	Colyford	SY(30)244923	110	36.64
"	Beer, Windyridge	SY(30)225894	200	34.07
"	Sidmouth	SY(30)124873	25	30.91
Somerset	Otterhead	ST(31)226138	819	44.42
S. Devon	Feniton Court	SY(30)109995	300	37.72
"	Ottery St. Mary	SY(30)088953	175	38.53
"	Broad Oak	SY(30)071928	300	37.25
"	Yettington Intakes	SY(30)038858	300	34.10
"	Budleigh Salterton	SY(30)043832	370	33.89
"	Budleigh Salterton, Squabmoor	SY(30)039839	267	33.64
"	Exmouth	SY(30)015813	195	33.30
"	Exmouth, Salterton Road	SY(30)015813	195	32.13
"	Exeter	SX(20)995937	106	33.45
"	Redhay	SX(20)971935	150	32.28
Somerset	Lowerthorne	SS(21)843384	1000	62.97
"	Winsford	SS(21)905345	620	53.17
"	Honeymead	SS(21)796381	1250	63.83
"	Kinsford Gate	SS(21)745365	1500	79.93
"	Dulverton, The Cottage	SS(21)925279	450	52.85
"	East Anstey	SS(21)875266	850	53.33
S. Devon	Morebath Manor	SS(21)958257	600	45.93
"	Cowley Lodge	SS(21)965132	250	36.66
"	Hemyock	ST(31)139126	606	40.75
"	Culm Davy House	ST(31)124146	512	35.83
"	Woodgate Farm	ST(31)102152	540	35.23
"	Uffculme	ST(31)068129	320	34.51
"	Halberton	ST(31)016131	300	35.08
"	Silverton	SS(21)958032	300	33.16
"	Crediton, Okefield	SS(21)832006	300	31.68
"	Crediton, Hayward School	SS(21)837001	190	33.07
"	Heavitree	SX(20)943920	112	32.26
"	Shillingford, St. George	SX(20)905880	170	36.34
"	Trood House	SX(20)926889	80	35.30
"	Kenton	SX(20)958834	60	34.65
"	Starcross	SX(20)972821	29	33.93
"	Dawlish, Beach House	SX(20)969774	80	34.17
"	Luscombe Castle	SX(20)943768	175	40.20
"	Holcombe	SX(20)953751	200	37.55
"	Landscore Res.	SX(20)938737	136	35.40
"	White Ridge	SX(20)650824	1600	81.50
"	Hurston Ridge	SX(20)668828	1350	79.42
"	Thornworthy Down	SX(20)664846	1160	70.83
"	Thornworthy	SX(20)670850	1150	70.39
"	Newton Barton	SX(20)711921	700	37.30
"	Smithacott	SX(20)798848	850	45.73
"	Tottiford	SX(20)808824	790	46.18
"	Hazelwood	SX(20)830805	650	42.79
"	Yarner Wood	SX(20)786792	400	52.03

TABLE II Estimated Annual Averages of Rainfall, 1916-50, for short period stations over the areas of the Devon and Cornwall River Boards

Devon River Board

County	Station	N.G.R.	Alt. (ft.)	Av.(in)
S. Devon	Newton Abbot	SX(20)828729	272	39.57
"	Torquay, Lydwell Court	SX(20)928646	410	36.43
"	Paignton	SX(20)890609	8	38.67
"	Brixham, Rea Dam Rd.	SX(20)929556	164	38.07
"	Beardown Hill	SX(20)605767	1560	90.83
"	Cowsic Valley	SX(20)595767	1323	81.16
"	Princetown	SX(20)587748	1293	77.97
"	Fox Tor	SX(20)620704	1160	75.18
"	Swincombe	SX(20)635718	1047	75.23
"	Hele House	SX(20)743703	350	51.76
"	Ashburton	SX(20)764712	400	53.27
"	Ashburton, West Street	SX(20)756695	236	54.90
"	Totnes	SX(20)788620	120	47.05
"	Broadhempston	SX(20)804660	190	42.50
"	Dartmouth, Public Gardens	SX(20)879515	9	41.74
"	Bala Brook	SX(20)675627	760	83.62
"	Didworthy	SX(20)686621	675	70.63
"	Badworthy	SX(20)685617	550	73.70
"	Hazelwood House	SX(20)727522	280	49.73
"	Wrangaton	SX(20)666575	650	61.46
N. Devon	Hartland Point	SS(21)231277	299	36.35
"	Clovelly Court	SS(21)310250	300	51.80
"	Westward Ho!	SS(21)443297	10	39.18
"	Shebbear	SS(21)447094	540	47.94
"	Cranmere Pool	SX(20)604857	1845	79.35
"	Okehampton Waterworks	SX(20)587938	860	54.49
"	Newbridge	SX(20)596903	1500	69.38
"	Okehampton Pleasure Gardens	SX(20)591948	530	55.24
"	Winkleigh, Places	SS(21)619085	500	37.33
"	Torrington, Rack Park	SS(21)490193	300	40.63
"	Jennett's Res.	SS(21)445246	62	38.22
"	Gammaton Res.	SS(21)483253	350	36.65
"	North Tawton	SS(21)672022	537	37.33
"	Bow	SS(21)726018	400	36.77
"	East Anstey, Barton House	SS(21)867266	760	49.64
"	West Buckland School	SS(21)667314	650	45.88
"	Chivenor	SS(21)494347	20	35.85
"	Stowford House	SS(21)633266	275	39.77
"	Chains Barrow	SS(21)735420	1587	78.57
Somerset	Longstone Barrow	SS(21)708428	1550	72.95

TABLE II Estimated Annual Averages of Rainfall, 1916-50, for short period stations over the areas of the Devon and Cornwall River Boards

Cornwall River Board

County	Station	N.G.R.	Alt. (ft.)	Av.(in)
S. Devon	Yealmpton	SX(20)577512	120	43.81
"	Mount Batten	SX(20)492529	87	37.93
"	Double Waters	SX(20)575723	1165	68.02
"	Siward's Cross	SX(20)595699	1074	72.01
"	Lowery	SX(20)557694	899	60.25
"	Burrator	SX(20)553680	755	60.63
"	Dousland Res.	SX(20)539690	714	57.13
"	Lee Moor House	SX(20)573628	880	61.42
"	Little Woodford	SX(20)531571	80	44.43
"	Plymouth, Freedom Field	SX(20)488553	208	39.25
"	Drakes Res.	SX(20)481551	149	38.54
"	Maristow Garden	SX(20)472640	50	52.97
"	Horrabridge	SX(20)511700	290	53.36
"	Pyworthy Rectory	SS(21)311021	430	41.47
"	Holsworthy	SS(21)343040	476	45.32
Cornwall	Ditchen	SX(20)309947	455	43.15
S. Devon	Werrington Park	SX(20)333872	320	43.70
Cornwall	Tregeare	SX(20)242864	540	48.63
S. Devon	Prewley	SX(20)548910	1057	61.59
"	Coryton Manor	SX(20)473848	460	52.05
Cornwall	Pentillie Castle	SX(20)406647	150	49.37
"	Ellbridge	SX(20)401632	190	41.22
"	Bastreet, North Hill, Old Site	SX(20)244765	775	55.99
"	Lerryn	SX(20)142573	40	44.41
"	Trethurgy	SX(20)042553	450	53.49
"	St. Mawes	SW(10)853330	60	38.30
"	Hendra P. Sta.	SW(10)966518	234	48.10
"	Ladock P. Sta.	SW(10)891511	98	42.59
"	Penryn Res.	SW(10)778336	236	44.98
"	Mawnan	SW(10)787274	205	42.54
"	Wendron	SW(10)678307	458	44.79
"	Culdrose	SW(10)669264	268	34.24
"	Poltesco	SW(10)723158	120	38.84
"	Lizard	SW(10)701119	235	32.97
"	St. Michael's Mount	SW(10)516300	16	33.93
"	Gulval	SW(10)486317	50	39.63
"	Trengwainton House	SW(10)445313	370	45.53
"	Porthcurno	SW(10)385227	180	33.92
"	Tresco	SV(00)900145	15	32.50
"	St. Ives, Halsetown Vicarage	SW(10)508401	324	42.51
"	St. Erth	SW(10)543359	50	39.73
"	Rosewarne	SW(10)643412	250	38.13
"	Boswyn Res.	SW(10)660362	511	47.51
"	St. Agnes	SW(10)721504	318	39.63
"	Trevone	SW(10)889759	25	32.83
"	Padstow, The Nook	SW(10)914755	110	37.33
"	Trevanson	SW(10)978729	100	40.68
"	Camelford, Roughtor View	SX(20)104832	700	58.63
"	Lower Moor	SX(20)128831	890	60.07
"	Delabole No.1.	SX(20)075835	650	45.78
"	Trebetherick	SW(10)937772	150	36.28
"	Bossiney	SX(20)064889	290	39.62

TABLE III. Monthly and Annual Averages of Rainfall (in inches), 1916-50, for short-period stations

County	Station	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Year
S. Devon	Exmouth	3.56	2.50	2.46	2.23	2.33	1.80	2.37	2.66	2.73	3.23	3.73	3.70	33.30
"	Exeter	3.78	2.68	2.34	2.14	2.21	1.71	2.47	2.71	2.61	3.24	3.88	3.68	33.45
"	Crediton Okefield (New site)	3.49	2.50	2.12	2.12	2.09	1.58	2.35	2.60	2.50	3.17	3.64	3.52	31.68
"	Starcross	3.73	2.58	2.51	2.27	2.31	1.77	2.44	2.68	2.61	3.33	3.90	3.80	33.93
"	Newton Abbott	4.71	3.20	2.89	2.49	2.53	1.90	2.61	2.93	2.97	3.84	4.79	4.71	39.57
"	Paignton	4.53	3.17	2.90	2.51	2.51	1.97	2.36	2.94	2.90	3.67	4.72	4.49	38.67
"	Totnes	5.60	3.86	3.48	2.97	2.96	2.26	3.01	3.48	3.48	4.56	5.74	5.65	47.05
"	Okehampton, Pl. Gdns.	6.68	4.53	3.70	3.59	3.09	2.65	3.87	4.14	4.20	5.80	6.58	6.41	55.24
"	Mount Batten	4.33	3.11	2.73	2.20	2.39	2.01	2.58	2.88	2.88	3.83	4.48	4.51	37.93
Cornwall	Ellbridge	4.66	3.21	2.80	2.39	2.60	2.18	2.97	3.22	3.17	4.29	4.82	4.91	41.22
"	Lizard	3.96	2.84	2.41	2.01	1.98	1.65	2.14	2.37	2.37	3.46	3.89	3.89	32.97
"	Gulval	4.79	3.33	3.01	2.38	2.34	1.86	2.62	2.81	3.01	4.16	4.68	4.64	39.63
"	Rosewarne	4.42	3.20	2.90	2.33	2.33	1.83	2.55	2.75	2.90	4.00	4.50	4.42	38.13

Table IVa 35-year totals of daily rainfall (in inches) 1916-50

Coplestone

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	4.99	5.68	2.22	3.14	2.08	3.31	3.38	4.46	4.48	2.47	7.05	6.31
2	3.28	4.86	1.36	4.02	2.18	1.80	1.63	2.09	3.39	2.20	4.50	4.25
3	3.02	5.48	3.47	4.39	2.83	1.22	2.91	4.51	4.23	3.55	6.12	3.60
4	3.98	4.00	4.01	3.20	3.52	1.77	2.17	2.67	1.98	4.03	4.00	5.75
5	4.08	3.99	4.29	3.82	2.58	3.85	3.82	4.13	1.33	6.99	6.07	3.74
6	4.45	3.71	3.11	2.68	2.10	2.15	5.55	4.22	2.03	2.40	4.32	5.55
7	3.25	4.18	2.19	2.57	2.80	2.83	2.64	3.35	2.67	6.08	5.21	4.99
8	3.32	4.07	1.63	2.53	2.60	1.29	3.49	2.82	2.34	3.70	5.37	6.24
9	5.41	3.77	1.72	2.56	2.22	1.54	2.19	3.00	3.00	2.88	5.76	3.18
10	5.61	3.71	2.71	4.19	2.97	1.20	1.80	2.14	2.29	4.25	3.02	6.41
11	4.46	3.82	2.36	2.79	2.25	2.41	2.34	4.90	2.18	4.19	6.19	4.11
12	5.06	2.78	2.32	1.05	3.39	2.65	4.04	2.55	3.75	2.65	3.37	1.39
13	3.62	2.11	3.24	3.32	1.22	1.43	3.47	2.43	3.77	4.28	4.06	5.00
14	4.33	2.10	2.94	3.71	2.16	1.84	4.87	2.09	5.02	2.97	4.83	4.21
15	6.00	1.95	1.44	3.97	1.29	2.79	4.70	1.55	2.92	2.70	3.96	5.06
16	4.03	3.80	3.09	2.21	1.50	1.38	4.12	3.31	3.03	3.83	6.07	4.04
17	5.24	3.53	2.33	2.05	4.52	1.93	5.11	3.14	4.25	3.90	5.46	2.14
18	4.66	2.29	3.12	2.79	3.05	2.68	2.58	3.60	4.84	4.68	5.66	2.78
19	4.34	2.30	2.46	2.04	2.21	2.62	3.01	2.50	5.44	4.10	5.62	3.81
20	3.34	2.87	2.56	1.96	2.16	1.59	2.58	4.16	3.63	4.22	4.69	2.89
21	3.88	3.07	1.92	3.04	1.51	1.74	1.72	3.89	2.97	3.81	4.09	3.41
22	4.45	2.94	2.21	1.57	1.96	1.57	2.50	5.31	3.70	6.49	3.86	5.32
23	2.65	3.27	2.94	2.77	4.47	2.46	2.07	3.00	2.34	5.96	4.84	3.70
24	4.02	2.91	2.79	2.11	2.15	2.05	2.36	2.49	1.98	5.97	3.76	4.06
25	6.74	5.16	3.17	2.67	3.57	2.40	2.54	2.39	2.58	6.64	4.37	4.49
26	5.67	4.64	1.48	2.57	3.65	1.18	4.80	2.07	2.75	4.82	4.48	4.21
27	3.91	2.91	2.86	3.11	3.97	2.61	3.67	4.27	3.12	5.35	3.92	7.01
28	7.17	3.43	3.02	2.62	2.34	3.43	3.04	3.75	2.81	1.90	5.64	4.84
29	5.09	1.29	2.91	2.45	1.84	1.40	.82	5.32	4.57	4.62	3.87	5.27
30	4.14	-	1.98	1.43	2.64	1.98	2.36	3.32	3.69	3.69	4.66	5.31
31	7.24	-	5.63	-	2.33	-	2.16	2.07	-	5.49	-	5.38

Table IVa 35-year totals of daily rainfall (in inches) 1916-50

Dartmoor, Redstone

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	12.28	9.78	4.59	5.94	2.78	4.73	6.58	6.57	7.23	4.43	12.83	14.43
2	7.80	8.24	4.16	5.25	2.26	2.59	4.68	3.46	6.91	3.81	7.77	8.43
3	8.05	8.89	5.25	5.57	3.81	3.62	5.63	7.10	7.58	7.03	8.21	5.36
4	4.94	6.06	5.99	4.93	5.60	3.70	6.60	6.85	5.31	7.76	8.09	9.55
5	7.38	7.15	5.64	4.56	4.88	7.45	5.31	8.16	4.01	10.24	10.66	4.98
6	8.55	8.81	5.48	4.01	4.24	5.11	8.39	4.27	4.48	5.75	8.22	8.98
7	5.42	7.74	3.42	3.96	3.35	3.10	4.25	4.55	4.12	8.07	7.86	12.59
8	8.45	7.16	2.51	5.23	2.96	3.05	5.51	6.22	3.77	6.34	7.11	10.79
9	8.56	8.20	3.49	3.23	2.79	3.97	5.10	3.51	3.51	5.47	8.70	6.39
10	13.09	5.59	5.89	3.74	5.51	3.12	3.70	4.97	3.02	6.85	4.84	15.82
11	8.58	3.44	3.61	3.69	4.20	4.65	3.85	4.84	2.98	6.90	11.53	5.50
12	13.57	6.46	4.91	2.26	5.98	2.40	3.63	6.25	8.21	4.91	6.79	3.19
13	6.56	2.85	4.38	8.29	3.16	2.06	5.27	3.89	7.48	7.28	9.26	10.29
14	10.12	4.27	3.97	6.22	4.04	3.28	5.83	4.22	8.33	5.42	9.76	9.12
15	8.86	5.13	4.17	4.75	2.86	4.14	6.97	3.71	3.60	6.87	7.97	9.47
16	6.88	6.97	8.54	2.73	3.86	4.75	3.94	3.98	5.63	5.09	9.00	7.17
17	8.51	4.92	3.93	3.15	6.07	2.97	6.97	4.65	8.00	5.70	10.06	4.44
18	8.25	3.80	5.56	4.42	4.37	4.24	5.00	5.73	8.07	7.08	10.11	7.91
19	6.95	4.19	5.19	3.83	4.33	3.89	6.46	4.85	9.02	8.28	11.36	6.45
20	7.15	4.42	4.27	3.73	3.10	2.77	5.70	9.88	7.84	12.18	8.53	6.68
21	6.23	5.30	4.19	2.56	1.78	3.38	4.89	5.52	6.27	6.17	7.41	7.51
22	9.62	5.01	4.86	2.49	4.26	2.39	6.28	8.40	6.44	9.68	8.23	8.18
23	5.74	5.28	3.82	4.56	6.81	2.85	3.26	5.39	4.13	11.68	12.35	6.33
24	7.59	5.09	4.88	6.27	3.12	2.79	4.98	5.41	6.00	8.80	6.81	6.03
25	7.38	8.35	4.40	4.23	5.29	4.61	5.84	4.33	5.08	10.09	6.12	6.54
26	7.05	9.83	3.36	2.81	5.51	2.09	5.61	3.80	4.36	7.63	5.52	9.42
27	6.84	4.18	3.61	3.61	4.84	4.62	4.60	7.40	4.07	7.23	12.14	8.23
28	11.01	4.60	5.75	2.96	2.01	3.69	8.50	5.06	4.04	4.22	6.36	10.26
29	8.75	1.30	5.76	2.92	4.57	3.17	2.32	5.75	6.17	9.08	7.06	10.45
30	7.61	-	3.53	2.82	3.54	7.72	5.52	5.38	6.29	7.60	9.35	10.94
31	9.47	-	8.28	-	3.64	-	2.97	3.74	-	10.74	-	7.94

Table IVa 35-year totals of daily rainfall (in inches) 1916-50

Challacombe

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	13.36	8.57	3.92	5.73	2.84	5.64	5.94	10.13	9.82	6.75	10.07	10.75
2	8.86	7.65	3.94	5.27	3.38	3.22	3.04	5.40	8.70	5.40	10.57	10.49
3	6.03	9.01	5.61	5.31	3.63	2.01	4.72	6.58	9.49	8.33	9.06	7.66
4	6.45	5.64	4.48	5.22	5.21	7.13	6.46	6.23	6.10	6.56	8.18	11.10
5	10.54	8.10	5.24	7.52	4.96	5.77	4.72	6.80	4.98	10.30	9.79	7.92
6	9.89	7.39	4.47	5.50	4.04	4.27	7.41	4.59	3.95	6.87	8.54	10.78
7	7.22	7.38	3.71	3.17	4.40	2.55	4.37	4.94	6.71	9.69	7.76	10.03
8	5.96	9.54	3.52	4.85	2.69	3.39	5.38	8.22	4.30	7.12	10.45	8.57
9	9.40	8.29	3.13	4.20	3.00	4.22	4.21	6.90	4.14	9.81	7.84	7.13
10	11.16	6.04	3.67	4.58	5.08	1.99	5.53	7.43	4.88	9.24	5.57	10.89
11	9.87	5.41	2.90	4.57	3.07	2.53	5.01	3.13	4.93	6.68	10.97	5.02
12	11.93	6.39	3.40	2.27	5.25	4.17	6.45	6.35	9.00	8.68	8.59	3.37
13	6.11	2.97	4.38	6.22	1.71	2.64	6.77	5.79	8.96	6.06	6.17	7.47
14	9.00	5.07	5.61	5.87	2.87	4.62	6.70	4.21	9.51	5.56	7.42	8.24
15	7.21	6.01	2.07	5.04	4.03	3.61	7.84	5.19	5.55	4.72	7.48	8.94
16	6.52	5.00	5.53	6.00	3.48	4.00	4.01	5.63	5.46	6.70	10.79	6.97
17	9.08	5.12	4.47	2.71	4.78	3.47	7.54	3.95	6.64	9.46	8.01	4.67
18	10.92	4.52	5.58	4.21	3.12	5.37	4.58	7.35	8.74	7.03	9.72	6.96
19	6.23	4.55	4.90	5.53	2.88	3.80	5.57	6.34	12.61	8.64	10.89	5.85
20	6.38	3.85	3.17	3.26	3.26	2.97	4.61	8.72	7.10	8.58	8.52	4.52
21	6.22	5.51	4.64	3.50	2.68	3.03	4.68	6.92	5.63	9.14	8.79	6.70
22	9.51	5.36	3.05	2.54	3.30	2.31	5.03	9.72	9.78	12.65	10.60	8.18
23	6.37	4.95	4.64	4.69	5.08	3.01	4.41	6.90	5.47	9.34	9.66	7.55
24	7.05	4.63	4.20	4.30	3.01	3.19	5.32	5.13	7.22	11.22	6.74	7.89
25	6.13	7.23	4.51	5.73	4.93	4.14	6.08	5.68	5.49	9.57	8.14	8.88
26	9.08	6.95	2.46	3.42	5.82	2.61	7.60	6.25	4.23	7.41	8.28	11.70
27	5.06	6.75	4.41	3.69	6.49	4.52	6.55	8.33	4.15	8.83	9.13	8.99
28	10.01	6.20	4.52	3.65	3.03	5.94	8.93	8.10	3.23	3.94	8.76	13.08
29	7.09	1.01	6.10	4.02	4.82	5.06	3.35	6.63	5.88	10.06	7.69	10.98
30	8.19	–	3.73	2.74	2.75	6.03	4.92	7.88	6.99	8.00	8.52	10.72
31	14.40	–	8.10	–	3.97	–	4.63	5.24	–	5.87	–	9.01

Table IVa 35-year totals of daily rainfall (in inches) 1916-50

St. Austell

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	7.87	6.17	3.19	4.77	2.00	4.72	3.81	4.07	5.14	3.07	7.69	9.90
2	4.93	6.45	3.05	4.15	1.63	2.02	2.04	1.59	5.53	3.27	5.86	5.76
3	5.73	7.34	5.84	4.08	3.01	3.56	4.96	4.95	4.53	4.48	5.68	4.86
4	4.20	5.85	5.34	3.73	4.83	3.31	5.45	4.85	3.69	5.33	6.67	7.48
5	5.32	5.90	5.53	3.58	4.94	3.33	4.60	6.86	2.85	5.86	7.39	4.89
6	7.24	8.15	3.67	4.78	3.11	3.01	6.05	1.45	3.28	3.64	7.36	6.58
7	5.36	4.63	2.25	3.16	3.63	1.64	2.72	5.06	3.41	9.38	6.87	8.09
8	5.36	5.81	2.20	3.65	3.51	2.70	3.53	4.24	3.58	6.01	6.87	9.04
9	5.76	4.47	3.26	2.48	2.69	2.41	3.38	2.72	3.30	2.85	5.93	5.66
10	8.81	6.64	4.33	3.37	3.68	2.02	2.39	3.28	1.85	5.04	4.48	10.15
11	6.63	4.63	3.45	3.49	4.35	2.55	3.65	3.78	2.68	5.28	7.31	4.07
12	6.74	4.86	3.55	2.08	5.34	2.69	2.78	4.30	6.00	3.04	5.79	3.11
13	4.48	2.85	4.10	5.82	2.12	2.76	3.90	2.66	5.04	6.27	7.32	7.09
14	6.86	3.33	4.42	4.84	2.40	2.24	4.35	1.78	4.69	3.78	5.74	7.07
15	7.12	3.66	3.64	3.60	2.05	2.82	8.43	2.04	2.89	4.09	8.76	7.60
16	5.05	5.27	5.60	2.69	2.90	2.66	3.04	3.80	3.54	4.28	10.95	5.42
17	6.26	4.32	3.21	2.25	5.15	2.14	5.51	3.77	5.59	4.52	7.39	3.34
18	6.17	3.32	4.11	3.50	2.82	3.65	2.31	3.92	6.08	4.92	6.85	5.05
19	7.45	3.15	3.85	3.60	3.42	2.84	4.06	2.61	6.58	6.35	8.50	5.86
20	6.75	4.31	3.47	2.58	2.70	3.24	4.02	7.78	5.44	7.94	5.81	5.63
21	5.49	5.91	3.17	2.71	3.04	2.39	3.08	2.86	3.39	5.10	5.26	6.23
22	6.90	3.10	4.08	2.91	4.42	1.66	2.93	7.40	5.92	8.18	5.65	6.48
23	3.82	5.53	2.51	3.22	4.47	1.70	1.53	6.40	3.29	7.33	7.07	4.79
24	6.32	4.32	3.32	3.43	2.90	1.33	3.95	4.57	3.73	6.75	5.73	5.94
25	7.36	6.26	4.35	2.82	5.04	2.62	3.82	3.61	4.37	8.61	5.29	4.40
26	6.38	5.39	3.14	2.98	4.41	1.87	4.52	3.42	2.41	4.51	5.73	5.83
27	4.98	4.12	4.31	4.11	3.98	2.99	4.28	6.87	2.85	8.36	9.49	7.15
28	10.17	4.26	6.34	3.98	2.12	1.86	5.88	4.64	3.06	4.25	4.01	7.00
29	6.68	1.49	3.18	2.50	3.11	2.87	.97	3.40	4.84	7.88	4.39	7.76
30	5.89	–	3.11	1.89	3.05	5.64	4.34	4.36	5.79	6.75	5.26	7.83
31	8.86	–	6.92	–	4.32	–	2.26	2.72	–	8.47	–	7.05

Table IVa 35-year totals of daily rainfall (in inches) 1916-50

Truro

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	7.19	6.10	3.22	4.59	2.01	3.77	2.92	4.39	3.97	2.63	6.44	8.05
2	4.68	5.86	3.17	4.01	1.37	1.86	1.68	1.78	4.46	3.05	5.14	5.17
3	4.60	6.22	4.76	3.88	2.54	2.82	3.45	3.28	3.23	4.38	6.22	4.39
4	3.92	5.77	5.85	3.42	4.60	2.27	5.60	3.85	3.75	4.33	5.45	6.66
5	6.76	5.29	4.59	3.66	4.39	4.07	3.21	4.19	1.70	5.15	7.45	4.22
6	5.85	7.35	3.42	4.13	2.21	2.96	4.81	1.93	2.23	3.49	6.33	5.48
7	4.63	4.11	2.52	2.45	3.01	1.54	1.62	4.45	4.02	8.62	5.79	7.03
8	5.70	5.00	2.83	3.37	2.20	2.85	3.06	3.35	2.59	4.61	6.14	8.56
9	5.39	3.66	3.21	1.99	2.15	2.20	3.30	2.23	3.08	3.05	5.41	5.08
10	8.46	5.16	4.45	3.08	3.16	2.06	1.79	3.07	1.72	5.15	3.91	9.97
11	6.28	5.49	2.94	3.71	3.37	2.30	3.14	2.66	3.06	5.22	7.00	3.77
12	6.89	4.45	3.14	2.03	4.14	2.14	1.57	2.73	4.17	2.45	6.98	2.71
13	3.73	2.25	3.81	4.84	1.88	2.90	3.42	3.75	5.37	4.61	7.51	6.96
14	6.24	2.91	4.55	4.48	2.04	2.67	2.88	1.25	4.03	3.76	5.49	5.73
15	7.03	2.64	3.34	3.36	1.76	1.97	6.88	1.41	2.20	3.74	7.73	6.69
16	5.12	5.14	4.67	2.03	2.54	2.75	3.04	2.26	3.01	3.21	9.48	4.92
17	5.06	4.33	2.83	2.02	4.34	1.41	4.00	3.20	4.30	3.74	7.07	3.12
18	5.56	2.76	3.35	3.28	3.35	4.40	2.24	3.14	5.92	4.02	6.88	4.05
19	6.26	2.71	3.78	3.06	3.73	2.01	3.13	3.14	5.83	7.13	7.31	4.08
20	5.57	3.02	3.11	2.02	2.55	2.23	3.07	5.94	3.13	6.36	6.24	5.28
21	4.68	4.92	2.99	2.09	2.03	1.69	3.83	3.48	3.34	4.13	5.33	5.83
22	6.30	3.15	3.14	2.18	3.54	2.52	2.15	7.60	3.56	8.71	4.55	6.33
23	3.11	4.39	2.89	2.57	3.63	1.63	1.52	6.41	2.96	5.78	7.75	4.12
24	6.06	3.70	2.90	2.73	3.35	.97	3.49	3.02	3.46	5.38	4.95	4.88
25	5.99	6.16	4.11	2.46	4.62	1.97	3.22	3.19	3.30	7.90	4.20	4.04
26	6.62	5.07	2.57	2.18	4.44	.99	4.53	2.36	2.64	4.47	4.95	5.11
27	3.87	3.47	3.77	3.36	3.21	2.46	3.80	4.78	2.41	6.62	7.47	7.18
28	8.73	4.04	5.77	2.94	2.02	1.36	4.96	3.60	2.68	4.53	3.66	5.47
29	6.55	1.38	3.29	2.26	2.99	3.02	.67	2.91	4.92	8.14	3.05	7.68
30	5.62	–	3.09	2.05	2.47	4.06	2.86	3.14	4.75	4.80	5.22	6.49
31	8.39	–	6.65	–	3.83	–	1.93	2.36	–	7.88	–	7.21

Table IVa 35-year totals of daily rainfall (in inches) 1916-50

Tresco Abbey, Scilly Isles

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	5.73	5.55	3.23	2.81	2.30	4.45	2.34	3.00	3.08	4.95	4.92	6.80
2	3.83	4.77	2.68	3.42	3.53	1.99	1.79	2.90	4.72	1.90	4.56	4.00
3	4.21	3.85	2.93	3.67	1.89	2.92	2.94	2.49	3.59	5.03	4.86	3.91
4	2.47	4.24	4.98	2.30	4.26	2.12	2.47	3.22	2.04	3.69	4.58	4.41
5	3.06	3.44	3.05	2.13	4.07	1.82	4.13	2.84	1.39	3.39	4.43	4.26
6	4.86	4.97	3.01	4.00	1.43	1.93	5.01	2.46	1.88	3.81	4.99	4.04
7	2.82	3.38	2.74	1.54	1.56	1.41	2.31	2.30	1.48	7.06	5.11	5.41
8	3.95	4.27	2.08	3.93	1.42	1.78	3.56	3.21	2.57	3.18	4.26	5.95
9	3.80	2.76	2.42	2.41	2.21	1.45	3.58	2.52	1.43	2.40	4.35	3.86
10	6.83	7.28	4.76	1.64	2.42	1.49	1.38	2.25	1.41	3.32	3.18	6.74
11	4.72	3.15	3.68	2.56	2.69	2.22	2.00	2.34	1.57	4.40	4.62	2.14
12	5.13	3.16	2.83	1.51	2.58	2.58	1.50	2.19	3.45	1.68	4.33	2.64
13	2.76	2.02	3.45	4.32	1.53	3.15	2.08	3.57	4.95	4.17	5.87	5.38
14	5.55	1.74	2.55	4.86	2.99	1.55	3.15	1.78	2.95	2.97	3.84	4.37
15	4.02	2.15	2.53	2.39	.98	1.43	4.18	1.41	2.35	4.06	6.91	4.38
16	3.66	3.99	3.72	1.39	2.56	1.97	1.80	1.83	2.28	1.85	6.87	2.98
17	3.17	3.95	2.05	1.52	3.01	1.91	3.25	1.75	3.82	3.34	3.91	2.00
18	4.31	2.20	2.74	3.41	2.93	2.55	2.60	3.15	7.27	3.02	4.95	3.27
19	5.41	1.92	2.09	3.11	2.05	2.54	3.59	2.48	5.99	4.98	4.39	3.10
20	4.26	3.49	1.75	2.39	2.99	1.54	2.94	3.83	3.28	5.28	3.83	3.27
21	4.15	3.01	2.15	1.86	1.54	1.31	2.81	4.76	3.44	4.24	3.42	5.21
22	4.92	2.59	1.87	2.19	3.32	2.26	2.09	5.00	2.25	6.85	3.87	5.68
23	3.21	2.91	2.45	2.14	3.60	2.43	1.53	3.79	2.57	5.39	6.18	3.08
24	4.16	2.92	2.22	1.17	1.99	.56	2.66	1.80	2.90	6.57	2.07	3.89
25	4.44	3.94	3.49	2.89	4.39	1.52	2.76	2.59	2.38	5.59	3.62	2.96
26	4.55	4.90	2.51	1.52	2.51	.79	2.27	1.42	2.44	3.82	4.55	3.54
27	3.37	3.75	3.20	1.83	3.24	3.30	2.71	3.23	1.90	3.29	5.45	4.95
28	5.37	3.88	3.60	2.86	2.42	1.89	2.83	4.18	3.06	3.51	2.75	4.61
29	5.24	.85	2.73	1.18	2.97	1.43	.65	2.99	3.61	5.29	2.44	4.90
30	3.88	-	2.60	1.45	2.52	2.31	2.65	3.51	3.64	4.11	4.32	5.16
31	5.14	-	5.05	-	2.41	-	1.21	1.78	-	5.49	-	5.12

Table IVb Rainfall totals in inches, divided by 35, thus giving 35-year means ranging from 'trace' to .70 in., for use with table IVa.

Totals in inches x	35 yr means $x/35$	Totals in inches x	35 yr means $x/35$
– .17	'trace'	12.43 – 12.77	.36
.18 – .52	.01	12.78 – 13.12	.37
.53 – .87	.02	13.13 – 13.47	.38
.88 – 1.22	.03	13.48 – 13.82	.39
1.23 – 1.57	.04	13.83 – 14.17	.40
1.58 – 1.92	.05	14.18 – 14.52	.41
1.93 – 2.27	.06	14.53 – 14.87	.42
2.28 – 2.62	.07	14.88 – 15.22	.43
2.63 – 2.97	.08	15.23 – 15.57	.44
2.98 – 3.32	.09	15.58 – 15.92	.45
3.33 – 3.67	.10	15.93 – 16.27	.46
3.68 – 4.02	.11	16.28 – 16.62	.47
4.03 – 4.37	.12	16.63 – 16.97	.48
4.38 – 4.72	.13	16.98 – 17.32	.49
4.73 – 5.07	.14	17.33 – 17.67	.50
5.08 – 5.42	.15	17.68 – 18.02	.51
5.43 – 5.77	.16	18.03 – 18.37	.52
5.78 – 6.12	.17	18.38 – 18.72	.53
6.13 – 6.47	.18	18.73 – 19.07	.54
6.48 – 6.82	.19	19.08 – 19.42	.55
6.83 – 7.17	.20	19.43 – 19.77	.56
7.18 – 7.52	.21	19.78 – 20.12	.57
7.53 – 7.87	.22	20.13 – 20.47	.58
7.88 – 8.22	.23	20.48 – 20.82	.59
8.23 – 8.57	.24	20.83 – 21.17	.60
8.58 – 8.92	.25	21.18 – 21.52	.61
8.93 – 9.27	.26	21.53 – 21.87	.62
9.28 – 9.62	.27	21.88 – 22.22	.63
9.63 – 9.97	.28	22.23 – 22.57	.64
9.98 – 10.32	.29	22.58 – 22.92	.65
10.33 – 10.67	.30	22.93 – 23.27	.66
10.68 – 11.02	.31	23.28 – 23.62	.67
11.03 – 11.37	.32	23.63 – 23.97	.68
11.38 – 11.72	.33	23.98 – 24.32	.69
11.73 – 12.07	.34	24.33 – 24.67	.70
12.08 – 12.42	.35		

TABLE V Accumulated Frequencies of Daily Rainfall (in inches) 1916-50

COPLESTONE

Daily Totals (inches)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	All months
2.50													
2.40													
2.30						1				1			2
2.20						1				1			2
2.10						1				1			2
2.00						1				1			2
1.90						1	1			1			3
1.80						1	1			1			3
1.70	1					1	1	1		2	1	1	8
1.60	1					1	1	1		2	1	1	8
1.50	2					1	1	1		2	2	1	10
1.40	2		1			2	2	1	1	2	3	2	16
1.30	2		1	1		3	2	2	1	3	3	2	20
1.20	4		1	1	2	3	2	2	2	6	6	3	32
1.10	5		1	3	2	3	4	5	3	7	11	4	48
1.00	8	2	4	4	2	4	7	14	5	11	19	7	87
0.90	14	6	4	4	3	5	9	16	7	16	21	8	113
0.80	18	12	7	6	7	7	13	17	10	21	26	14	158
0.70	30	22	11	9	10	9	18	27	16	30	40	23	245
0.60	45	34	20	13	15	12	27	35	31	41	55	39	367
0.50	67	48	28	29	31	17	50	52	53	62	74	69	580
0.40	101	74	52	48	48	30	78	73	78	97	110	105	894
0.30	157	111	82	71	80	57	105	104	109	146	164	168	1356
0.20	266	169	143	141	141	102	149	169	165	226	263	252	2156
0.10	405	301	262	278	255	196	249	281	275	364	380	408	2186
0.005	752	571	534	557	518	456	579	584	555	659	692	742	7199
* 0.004	333	418	551	493	567	594	506	501	495	426	358	343	5585
Total No. of days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days.

TABLE V Accumulated Frequencies of Daily Rainfall (in inches) 1916-50

RIBSTONE RESERVOIR

Daily Totals (inches)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	All months
3.90								1					1
3.80								1		1			2
3.40						1		1		1			3
3.30						1		1		1	1		4
2.80						1		1		2	1		5
2.70						1		1		2	2		6
2.50						2		1		2	3		8
2.40						2		2	1	2	6	1	14
2.30				1		2		3	1	2	6	3	18
2.20	1			1		2		4	1	2	8	4	23
2.10	2	1		1		2		4	1	2	10	4	27
2.00	3	1		1		3		4	2	4	11	5	34
1.90	6	2		1		3		4	2	5	14	7	44
1.80	7	4		1		3	3	6	2	7	19	9	61
1.70	8	5		1		5	5	7	3	9	21	10	74
1.60	13	6		1		6	5	8	3	10	21	10	83
1.50	17	10	4	1	2	7	9	12	5	14	27	13	121
1.40	22	13	5	1	3	9	11	15	8	17	33	25	162
1.30	25	14	6	2	6	9	14	17	12	20	38	28	191
1.20	36	20	8	6	9	10	20	19	17	27	46	39	257
1.10	43	24	10	11	12	11	25	22	19	33	51	44	305
1.00	54	31	19	14	18	17	28	25	30	38	65	56	395
0.90	68	36	28	19	22	20	37	34	40	48	78	73	503
0.80	81	56	36	31	36	25	45	45	60	71	92	94	672
0.70	104	75	45	42	47	33	56	63	73	96	109	115	858
0.60	143	87	73	52	63	46	79	77	83	128	139	143	1113
0.50	187	114	101	75	80	63	100	105	115	167	168	182	1457
0.40	240	153	138	108	110	83	135	139	152	207	219	233	1917
0.30	299	204	178	142	141	122	177	184	199	269	269	297	2481
0.20	376	272	235	204	194	173	251	255	272	348	360	381	3321
0.10	520	374	348	322	298	275	374	371	382	463	483	514	4724
0.005	786	584	590	554	560	516	646	641	61[illegible]	686	695	767	7635
* 0.004	299	405	495	496	525	534	439	444	44[illegible]	599	355	318	5149
Total No. of days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days

TABLE V Accumulated Frequencies of Daily Rainfall (in inches) 1916-50

CHALLACOMBE

Daily Totals (inches)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	All months
3.00									1		1		2
2.90									1	1	1		3
2.80								1	1	1	1		4
2.70	1							1	1	1	1		5
2.60	1							1	2	1	1		6
2.50	1						1	1	2	1	2		8
2.40	1					1	1	1	2	3	4	1	14
2.30	1					1	1	1	3	4	5	1	17
2.20	1					1	1	1	3	5	5	1	18
2.10	2					1	1	1	3	5	6	1	20
2.00	4					1	1	1	3	5	8	2	25
1.90	7					1	1	1	4	8	9	4	35
1.80	8	1	1			1	1	5	4	8	10	6	45
1.70	11	1	1			1	1	5	4	9	13	7	53
1.60	12	2	1	2		2	2	6	5	13	18	8	71
1.50	16	2	2	2		2	4	9	9	14	23	8	89
1.40	19	6	2	3	2	4	8	14	15	21	24	11	129
1.30	22	10	2	4	5	5	9	17	20	23	30	16	163
1.20	31	13	2	5	7	8	12	20	25	30	36	24	213
1.10	39	18	2	7	11	10	17	24	28	38	44	35	273
1.00	45	22	11	10	17	12	26	33	33	48	54	54	365
0.90	62	36	16	16	19	17	32	41	45	62	72	69	487
0.80	81	46	29	23	24	21	44	60	58	78	90	94	648
0.70	106	73	40	36	35	32	63	81	72	104	113	115	870
0.60	134	101	67	59	52	43	89	113	100	140	142	144	1184
0.50	181	126	84	82	72	55	120	140	132	173	175	185	1525
0.40	232	164	113	130	99	94	154	185	182	219	231	264	2067
0.30	325	212	161	170	135	150	205	239	243	292	313	331	2776
0.20	409	283	235	242	199	208	271	308	311	379	396	413	3614
0.10	549	400	347	328	301	299	400	425	433	502	512	523	5019
0.005	748	558	541	551	527	500	647	651	630	697	694	735	7479
* 0.004	337	431	544	499	558	550	438	434	420	388	356	350	5305
Total No. of days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days

TABLE V Accumulated Frequencies of Daily Rainfall (in inches) 1916-50

ST. AUSTELL

Daily Totals (inches)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	All months
3.40										1			1
2.90										2			2
2.50								1		2			3
2.40								2		2			4
2.30								2		3			5
2.20								2		3			5
2.10								2		3		1	6
2.00								2		4		1	7
1.90		1					2	3		4	1	1	12
1.80		1					4	3		4	2	1	15
1.70		2	2			1	4	3		4	4	1	21
1.60		2	2			1	4	6	1	4	7	3	30
1.50		2	3			1	4	7	2	4	8	4	35
1.40	3	4	3			1	4	7	3	4	11	5	45
1.30	7	8	4		2	1	8	9	4	8	14	6	71
1.20	9	12	5		4	1	10	11	6	9	20	9	96
1.10	13	13	6	3	4	2	13	16	8	15	26	11	130
1.00	16	20	13	3	5	4	15	19	13	21	32	15	176
0.90	24	25	19	6	6	6	16	24	18	29	43	29	245
0.80	41	34	24	8	14	13	25	29	24	39	51	44	346
0.70	58	44	31	14	25	17	35	36	31	54	68	64	477
0.60	83	62	46	26	33	27	49	50	55	76	92	81	680
0.50	116	81	60	45	48	41	65	66	70	106	123	120	941
0.40	170	109	95	77	71	63	83	95	94	144	170	170	1341
0.30	238	155	136	117	133	86	117	126	148	209	232	236	1933
0.20	346	229	210	188	196	138	178	200	210	292	325	349	2861
0.10	505	352	332	317	307	231	309	308	334	428	461	491	4375
0.005	804	599	577	537	519	433	597	572	559	655	686	760	7298
* 0.004	281	390	508	513	566	617	488	513	491	430	364	325	5486
Total No. of days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days

TABLE V Accumulated Frequencies of Daily Rainfall (in inches) 1916-50

TRURO

Daily Total (inches)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	All months
3.20										1			1
2.70										2			2
2.50										2			2
2.40										2			2
2.30										2			2
2.20							1			2	2		5
2.10		1					1	1		2	3		8
2.00		1					1	1		2	3		8
1.90		1					1	1	1	2	3		9
1.80		1					1	2	1	2	4		11
1.70	1	2	1			1	1	2	1	3	4	1	17
1.60	1	3	1			1	1	2	1	3	5	1	19
1.50	2	4	2			1	1	2	1	5	7	1	26
1.40	4	5	3			1	3	2	1	6	9	1	35
1.30	6	6	3	1		1	4	3	1	8	12	4	49
1.20	9	7	4	1	1	2	6	5	3	12	13	6	69
1.10	14	9	7	2	1	3	7	8	6	14	19	9	106
1.00	19	13	10	3	2	3	8	13	7	18	24	16	136
0.90	24	24	14	4	3	6	12	16	8	27	34	25	197
0.80	33	28	21	6	10	9	17	25	14	35	46	40	284
0.70	52	38	28	12	16	14	26	32	25	44	59	55	401
0.60	83	49	40	19	34	22	38	47	39	60	82	81	594
0.50	108	66	58	36	39	28	49	60	54	90	110	107	805
0.40	148	98	89	61	65	52	74	78	77	126	145	145	1158
0.30	201	138	131	97	109	76	107	107	122	174	214	204	1680
0.20	304	209	205	153	175	125	156	165	183	264	295	301	2535
0.10	482	330	307	295	282	207	254	264	303	394	444	465	4027
0.005	799	582	563	533	509	428	538	540	553	648	695	762	7150
*0.004	286	407	522	517	576	622	547	545	497	437	355	323	5634
Total No. of days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days

(4593)

TABLE V Accumulated Frequencies of Daily Rainfall (in inches) 1916-50

TRESCO ABBEY

Daily Totals (inches)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	All months
2.70		1											1
2.50		1											1
2.40		1											1
2.30		1											1
2.20		1								1			2
2.10		1								2			3
2.00		1				1				2			4
1.90		1				1				2			4
1.80		1		1		1				2			5
1.70		1		2		1			1	2	1		8
1.60		1		2		1		1	1	2	1		9
1.50		1	1	2		1		1	1	3	2		12
1.40		1	1	2	1	2		1	3	6	3	1	21
1.30		1	2	2	2	2		1	3	8	4	1	26
1.20	1	2	2	2	2	3	1	1	6	8	4	2	34
1.10	2	2	2	2	3	4	2	4	6	10	5	2	44
1.00	2	5	4	3	4	5	7	6	7	11	8	3	65
0.90	6	6	6	3	6	5	10	7	9	12	11	8	89
0.80	12	14	7	3	10	6	13	9	13	24	17	13	141
0.70	18	22	13	7	16	9	17	19	18	34	24	20	217
0.60	34	32	18	15	25	15	25	26	24	46	36	28	324
0.50	52	42	28	20	35	27	34	37	38	63	63	51	490
0.40	80	84	48	36	49	37	42	64	60	93	97	99	789
0.30	151	125	98	66	80	53	76	93	96	139	152	143	1272
0.20	228	194	167	128	135	88	136	139	142	224	244	240	2062
0.10	411	323	278	245	245	177	225	240	254	345	377	395	3513
0.005	840	639	609	532	499	440	595	575	580	648	734	772	7463
0.004	245	350	476	518	586	610	490	510	470	437	316	313	5321
Total No. of days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

Table VI

Maximum and Minimum Monthly Rainfall (in inches), 1916-50, with supplementary list covering extremes for the 50-year period, 1911-60

		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
COPLESTONE		1939	1923	1947	1935	1946	1917	1936	1917	1918	1932	1929	1929
	MAX.	7.12	7.52	6.04	4.72	5.08	4.80	6.05	6.58	6.89	8.22	8.40	8.38
1916-50													
		1950	1932	1938	1938	1939	1930	1935	1936	1929	1931	1945	1926
	MIN.	1.09	0.02	0.20	0.37	0.45	0.40	0.64	0.21	0.45	0.89	0.73	0.72
				1914			1958		1912	1956			1911
OTHER EXTREMES	MAX.			6.31			5.16		6.68	7.53			8.88
1911-60													
		1953			1912			1911		1910			
	MIN.	0.74			0.22			0.39		0.18			
REDSTONE		1948	1937	1947	1935	1942	1945	1939	1950	1918	1949	1929	1934
	MAX.	13.47	10.27	11.11	6.87	8.44	7.22	11.38	9.46	10.32	11.96	20.55	20.77
1916-50													
		1950	1932	1944	1938	1936	1925	1935	1940	1939	1931	1942	1926
	MIN.	2.57	0.06	0.25	0.15	0.67	0.03	1.20	0.30	0.53	1.57	1.38	1.10
			1915	1914	1913		1912		1912				
OTHER EXTREMES	MAX.		14.43	12.10	8.18		8.94		15.59				
1911-60		1953						1913		1959			
	MIN.	1.90						0.57		0.29			
CHALLACOMBE		1948	1923	1947	1935	1942	1946	1936	1917	1950	1932	1929	1934
	MAX.	14.86	12.77	8.53	7.92	7.22	7.29	10.01	12.56	13.70	15.87	15.19	16.80
1916-50		1917	1932	1944	1938	1919	1925	1934	1947	1941	1922	1945	1926
	MIN.	2.01	0.00	0.55	0.56	0.86	0.02	1.62	0.63	0.80	2.13	1.10	0.79
				1914	1913	1958	1912		1912				
OTHER EXTREMES	MAX.			12.25	8.91	6.04	10.03		16.50				
1911-60								1911		1910			
	MIN.							0.52		0.33			
ST. AUSTELL		1948	1923	1947	1935	1942	1947	1936	1950	1918	1924	1929	1934
	MAX.	9.54	9.35	11.65	6.39	8.34	5.13	8.22	7.26	7.95	10.44	13.09	13.03
1916-50		1916	1932	1929 & 44	1938	1944	1925	1935	1940	1929	1931	1942	1926
	MIN.	1.70	0.09	0.45	0.10	0.74	0.03	0.59	0.25	0.50	1.15	1.13	1.09
							1912		1912				
OTHER EXTREMES	MAX.						6.48		11.32				
1911-60		1953						1955	1955	1959			
	MIN.	1.43						0.18	0.22	0.14			

Table VI (Contd.)

Maximum and Minimum Monthly Rainfall (in inches), 1916-50 with supplementary list covering extremes for the 50 year period, 1911-60

		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TRURO	MAX.	1948 9.03	1923 8.98	1947 11.21	1935 4.81	1942 6.83	1945 3.79	1936 8.01	1950 6.83	1927 7.16	1924 9.30	1929 13.75	1934 11.19
1916-50	MIN.	1948 1.35	1932 0.04	1938 0.29	1938 0.01	1944 0.58	1925 0.03	1919 0.67	1940 0.18	1929 0.58	1931 0.98	1942 0.97	1926 0.95
OTHER EXTREMES	MAX.						1912 4.52		1912 10.62				
1911-60	MIN.	1953 1.09						1955 0.14					
TRESCO	MAX.	1943 & 48 5.96	1943 8.43	1947 7.71	1928 4.54	1929 5.28	1917 4.16	1936 6.90	1917 5.44	1918 5.81	1924 6.76	1929 7.35	1929 7.98
1916-50	MIN.	1950 1.32	1942 0.35	1929 0.39	1938 0.07	1944 0.29	1925 0.00	1935 0.34	1940 0.21	1921 0.48	1931 0.88	1942 1.07	1926 0.71
OTHER EXTREMES	MAX.	1913 6.89							1912 9.45		1960 6.98		
1911-60	MIN.	1914 1.24	1959 0.29					1955 0.09		1959 0.14			

Table VI Annual Extremes

Station	1916-50 Max	1916-50 Min	Other extremes 1911-1960 Max	Other extremes 1911-1960 Min
Coplestone	1950 43.89	1921 18.66	-	-
Redstone Res.	1948 81.65	1921 38.57	1912 86.65	-
Challacombe	1946 76.96	1933 45.23	1912 86.70	-
St. Austell	1924 59.21	1921 27.87	1958 61.82	-
Truro	1950 53.13	1921 25.74	*1960 56.02	-
Tresco	1947 41.45	1921 22.06	≠1960 43.41	

*Taken from Truro Waterworks ≠Taken from Tresco Rowesfield

Table VII

Maximum Daily Rainfall (in inches), 1916-50
with additional maxima for the 50-year period, 1911-60

		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
COPLESTONE 1916-50		1918	1950	1922	1940	1946	1917	1949	1916	1943	1929	1926	1928
	MAX.	1.74	1.07	1.44	1.39	1.23	2.38	1.98	1.78	1.48	2.31	1.70	1.75
OTHER EXTREMES 1911-60		1955						1955	1952				
	MAX.	1.97						2.53	2.97				
REDSTONE RES. 1916-50		1932	1916	1947 & 48	1924	1929 & 32	1932	1939	1929	1946	1929	1946	1934
	MAX.	2.25	2.13	1.54	2.33	1.55	3.40	1.87	3.95	2.40	3.88	3.36	2.45
OTHER EXTREMES 1911-60		1960	1915	1952		1913		1954		1956			1915
	MAX.	2.35	3.05	2.06		1.68		2.36		2.50			2.85
CHALLACOMBE RESERVOIR		1948	1918	1941	1949	1948	1917	1940	1929	1944	1929	1940	1922
	MAX.	2.71	1.88	1.80	1.69	1.42	2.47	2.59	2.88	3.05	2.93	3.02	2.40
OTHER EXTREMES 1911-60				1952	1913				1952				1960
	MAX.			2.00	2.18				7.58				3.26
ST. AUSTELL 1916-50		1927	1916	1916	1935	1942	1932	1939 & 45	1930	1920	1924	1944	1933
	MAX.	1.44	1.96	1.79	1.18	1.33	1.77	1.93	2.58	1.65	3.45	1.90	2.19
OTHER EXTREMES 1911-60		1959				1960	1957		1959				
	MAX.	1.65				1.43	2.61		4.39				
TRURO 1916-50		1930	1936	1916	1931	1941	1932	1945	1930	1946	1924	1944	1928
	MAX.	1.79	2.17	1.74	1.32	1.22	1.72	2.21	2.17	1.90	3.26	2.28	1.72
OTHER EXTREMES 1911-60						1954	*1957		*1959				1956
	MAX.					1.30	1.96		3.10				3.11
TRESCO 1916-50		1940	1936	1916	1940	1928	1938	1936	1918	1916	1937	1939	1934
	MAX.	1.27	2.70	1.52	1.85	1.45	2.00	1.20	1.68	1.79	2.26	1.74	1.49
OTHER EXTREMES 1911-60								1954	1912				1957
	MAX.							1.35	2.32				1.54

* Taken from Truro Waterworks.

† Record for 1959 and 1960 not available.

Key
N = Noteworthy
R = Remarkable
V.R. = Very rare

Appendix I

Intense Falls of Rain in 2 hours or less 1865-1960
Extracted from British Rainfall

(Arranged chronologically, in county order)

Year	Class	Station	Drainage area	Date	A'm't in.	D'r'n min.	Rate in/hr
		Devon River Board					
Dorset		Broadwindsor,					
1924	N	Blackdown Ho.	2	Jly. 22	.75	20	2.25
Somerset							
1890	N	Exford Rectory	5	May 25	.70	22	1.91
1938	R	Winsford	5	Aug. 1	1.43	43	2.00
1939	R	Brushford Nurseries	5	Jly. 16	2.49	90	1.66
1941	R	Churchstanton	5	Sep. 27	1.38	20	4.14
1952	N	Exford, Lower Thorne	5	Aug. 15	.77	20	2.31
1953	N	Exford, Lower Thorne	5	Aug. 23	1.15	90	.77
1960	N	Exford Rectory	5	Aug. 6	1.53	90	1.02
1960	N	Exford, Lower Thorne	5	Aug. 6	1.74	115	0.91
Devon N.							
1870	N	South Molton	2	Oct. 19	.94	19	2.97
1871	N	Hatherleigh, Jacobstowe	3	Aug. 16	1.26	60	1.26
1871	N	South Molton	2	Aug. 16	1.41	65	1.30
1879	R	Barnstaple, Arlington Court	2	June30	1.48	20	4.44
1880	N	Torrington, Langtree Wick	3	Jly. 22	1.11	60	1.11
1905	N	Okehampton, Oaklands	3	Aug. 15	1.72	120	.86
1909	V.R.	Ilfracombe Reservoir	1	Sep. 29	2.50	45	3.33
1910	N	Molland	2	Aug. 8	1.07	60	1.07
1915	N	East Anstey, Rhyll Manor	2	Jly. 4	.78	30	1.56
1924	N	Bideford, Chudleigh House	3	Jly. 21	.97	30	1.94
1924	R	Filleagh, Castle Hill Gardens	2	May 19	1.48	60	1.48
1927	R	Parkham, Melbury Reservoir	3	Jly. 7	1.12	15	4.48
1927	N	Hartland, Fosfelle	4	Aug. 5	1.10	50	1.32
1927	N	Molland, Green Cottage	2	Jly. 11	1.42	105	.81
1928	N	Witheridge	2	Aug. 27	1.06	60	1.06
1934	N	Parkham, Melbury Moor	3	Aug. 1	1.28	120	.64
1938	R	Northam, Chope Barton	3	Aug. 9	1.82	45	2.43
1949	N	Okehampton, Uplands	3	Aug. 25	1.01	60	1.01
1952	R	Okehampton, Uplands	3	Aug. 6	1.42	40	2.13
1960	N	Chivenor Airfield	2	Aug. 22	1.11	100	0.67
Devon S.							
1867	N	Brixham, Lupton	4	Sep. 3	1.25	60	1.25
1875	N	Teignmouth, Landscore	4	Oct. 19	1.81	120	.91
1883	N	Torquay, Babbacombe	5	July 30	1.03	26	2.38
1884	N	Ashburton, Druid House	4	Jan. 26	1.19	120	.59
1888	R	Torquay, Babbacombe	5	July 6	1.47	30	2.94
1889	N	Teignmouth, Marine Villa	5	July 13	1.20	120	.60

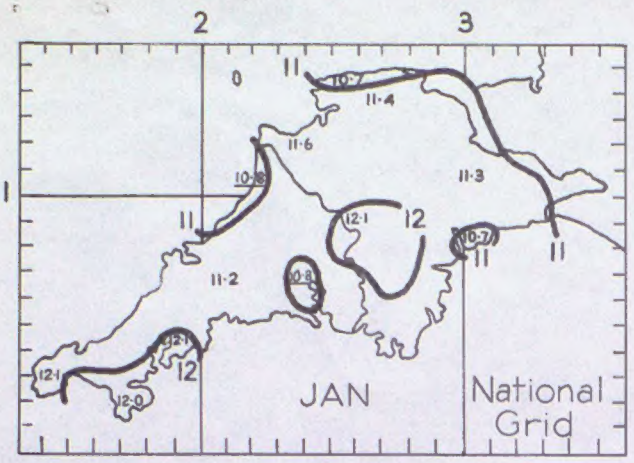
Year	Class	Station	Drainage area	Date	A'm't in.	D'r'n min.	Rate in/hr
Devon S. (Contd.)							
1890	R	Rousdon Observatory	7	May 25	1.56	60	1.56
1893	N	Ashburton, Druid House	4	May 15	.90	35	1.54
1894	N	Axminster, Great Trill	7	Nov. 14	.76	20	2.28
1896	R	Bampton, Huntsham Court	6	Aug. 1	1.82	60	1.82
1897	V.R.	Chudleigh, Torquay W.W.	5	July 20	2.75	70	2.36
1898	N	Kingskerswell, South Hill	5	Oct. 17	1.00	60	1.00
1899	R	Kingsteignton, Teignbridge House	5	July 22	1.30	40	1.95
1899	N	Kenton, Southtown House	6	July 22	1.20	45	1.60
1903	N	Honiton, Combe Raleigh	7	May 28	1.28	120	.64
1906	N	Sidmouth	7	June 23	.97	30	1.94
1909	N	Honiton, Combe Raleigh	7	June 6	1.24	60	1.24
1910	N	Seaton	7	May 22	1.07	45	1.43
1913	N	Crediton, Okefield	6	Oct. 3	1.45	60	1.45
1915	R	East Budleigh, Bicton Common	7	Aug. 13	2.00	120	1.00
1919	R	Moretonhampstead Rectory	5	Aug. 28	1.50	60	1.50
1925	R	Ashburton, Orchard Mount	4	Aug. 19	1.50	45	2.00
1927	R	Chagford, Dartmoor Sanatorium	5	Sep. 23	1.30	10	7.80
1933	V.R.	Poltimore Rectory	6	June 22	2.25	45	3.00
1936	R	Exeter, Countess Wear	6	June 29	1.67	70	1.43
1937	N	Torquay, Abbey Park	5	June 19	.66	12	3.30
1937	N	Newton Poppleford, Haymans	7	May 9	1.29	90	.86
1938	R	Stoke Gabriel, Maisonette	4	Aug. 4	1.41	20	4.23
1938	R	Holne, Church Park Cottage	4	Aug. 4	1.10	20	3.30
1938	N	Crediton, Kinross	6	Aug. 11	1.13	40	1.69
1938	N	South Brent, Brent Moor	3	Aug. 4	1.00	45	1.33
1938	N	Axminster, Kilmington	7	Nov. 25	1.35	60	1.35
1938	N	Culmstock, The Knap	6	Aug. 4	1.00	60	1.00
1938	R	Honiton, Cotleigh House	7	Aug. 4	1.91	90	1.27
1938	N	Budleigh Salterton	7	Aug. 4	1.44	115	.75
1938	N	Ashburton, Melrose	4	Aug. 4	1.28	120	.64
1938	N	Moretonhampstead	5	Aug. 11	.91	20	2.73
1938	V.R.	Paignton, Victoria Park	4	Aug. 4	2.71	45	3.61
1938	V.R.	Torquay, Abbey Park	5	Aug. 4	2.25	56	2.41
1939	N	Culmstock, The knap	6	Sep. 2	.90	40	1.35
1939	R	Silverton, Parsonage Lane	6	Aug. 20	2.00	55	2.18
1939	V.R.	Teignmouth, Woodlands	5	July 21	2.38	60	2.38
1939	R	Ottery St. Mary, Broad Oak	7	Aug. 21	1.50	60	1.50
1939	N	South Brent, Brent Moor	3	Aug. 20	.98	60	.98
1939	R	Teignmouth, Den Gardens	5	July 21	1.82	90	1.21
1940	N	Ashburton, West Street	4	Apr. 27	1.12	75	.90
1942	N	West Alvington	3	Dec. 19	1.10	30	2.20
1943	N	Stoke Cannon, Rewe	6	Sep. 12	.75	15	3.00
1943	N	Tiverton, St. Aubyn's Park	6	Sep. 12	.77	28	1.65
1943	R	South Brent, Beechfield	3	Sep. 12	1.69	30	3.38
1943	R	South Brent, Millswood	3	Sep. 12	1.65	30	3.30
1943	N	Torquay, Abbey Park	5	Sep. 14	1.43	120	.71
1946	R	Cullompton	6	June 23	2.35	45	3.14
1948	N	Hawkchurch, Castle House	7	July 30	.78	20	2.34
1949	V.R.	Cullompton	6	Sep. 22	2.40	75	1.92
1949	R	Exeter Airport	6	Aug. 26	1.35	40	2.04
1951	N	Kenton, The Vicarage	6	July 22	1.09	35	1.87
1952	R	Kenton, The Vicarage	6	June 13	1.13	25	2.71

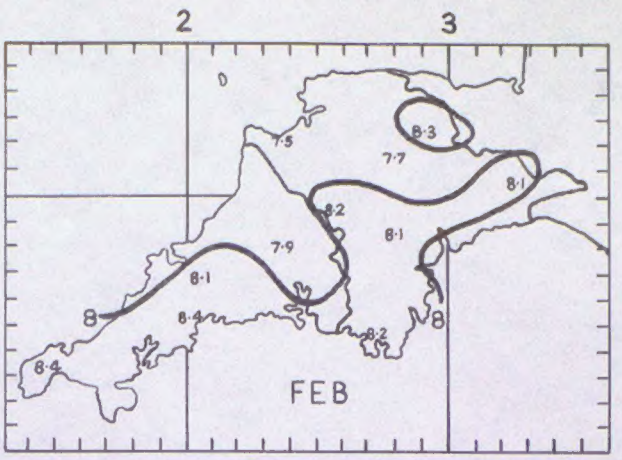
Year	Class	Station	Drainage area	Date	A'm't in.	D'r'n min.	Rate in/hr
Devon S. (Contd.)							
1952	R	Hemyock, Culm Davy House	6	July 6	1.69	30	3.38
1952	V.R.	Honiton, Cotleigh House	7	May 19	2.56	48	3.20
1952	N	Culmstock, Woodgate Farm	6	July 6	1.72	105	.98
1954	N	Exeter Airport	6	Aug. 22	1.19	68	1.05
1955	N	Paignton, Victoria Park	4	July 18	.63	22	1.72
1955	N	Chagford, Yellam Cottage	5	June 6	.84	25	2.02
1955	N	Kenton Vicarage	6	June 6	.97	33	1.76
1955	N	Hemyock, Culm Davy House	6	July 17	1.13	60	1.13
1955	N	Culmstock	6	July 12	1.11	60	1.11
1955	N	Exeter, Heavitree	6	July 18	1.34	79	1.02
1956	R	Beer, Set Fair	7	July 19	1.29	30	2.58
1956	N	Crediton, Okefield	6	July 16	.93	30	1.86
1956	N	Exeter Airport	6	July 18	.80	30	1.60
1957	N	Kenton Vicarage	6	July 18	.76	18	2.53
1958	N	Shillingford Rectory	6	June 6	1.39	120	0.69
1958	N	Chagford, Thornworthy	5	Aug. 19	1.20	120	0.60
1958	N	Shillingford Rectory	6	Oct. 3	1.45	120	9.73
		Cornwall River Board					
Cornwall							
1877	N	Camborne	1	Aug. 14	.77	30	1.54
1886	N	Falmouth Observatory	2	Sep. 5	1.00	20	3.00
1904	N	Helston, Tenderah	2	Oct. 15	.80	30	1.60
1905	N	St. Austell, Bunney Mine	2	June 16	1.25	95	.79
1907	N	Redruth, Trewirgie	1	Sep. 26	1.00	45	1.33
1911	R	Antony Vicarage	3	July 29	1.00	15	4.00
1911	N	Launceston, Hexworthy	3	May 31	1.01	45	1.35
1911	N	Launceston, Landue	3	June 1	1.75	120	.88
1920	N	Newquay, Mount Wise	1	Oct. 17	1.19	90	.79
1920	R	Cadgwith, Coastguard Station	2	Oct. 17	1.90	120	.85
1924	N	St. Mellion Rectory	3	June 21	1.32	120	.66
1926	R	Gwennap, Trevince	2	July 18	1.80	50	2.16
1926	N	Newquay, Mount Wise	1	July 18	1.71	110	.93
1926	N	Wadebridge, Bryn	1	July 18	1.59	120	.79
1931	N	Launceston, Hexworthy	3	Aug. 5	.98	25	2.35
1933	N	Liskeard, Penmilder	2	July 15	1.15	35	1.97
1933	R	Fowey	2	Aug. 11	1.70	60	1.70
1936	N	Launceston, Pendrucoombe	3	June 21	.75	27	1.67
1936	V.R.	Bodmin, Castle Hill House	1	June 29	2.98	60	2.98
1936	R	Kilkhampton	1	June 30	2.00	120	1.00
1939	N	Launceston, Hexworthy	3	Aug. 19	1.40	60	1.40
1940	N	Padstow, Cross Street	1	July 13	1.00	30	2.00
1943	N	Lelant	1	Sep. 13	1.17	60	1.17
1943	N	Padstow, Cross Street	1	Sep. 14	1.32	75	1.06
1949	R	Delabole	1	Sep. 6	1.95	75	1.56
1956	N	Launceston, Landue	3	Aug. 26	1.40	45	1.87
1956	V.R.	Liskeard, Penmilder	2	July 19	3.04	120	1.52
1956	R	Liskeard, Treventon	2	July 19	2.43	120	1.21
1958	N	Truro W.W., Lower Tregurrow	2	Aug. 19	1.25	65	1.15
1958	N	Liskeard, Minions	2	Aug. 19	1.90	60	1.90
1959	N	Liskeard, Treventon	2	Aug. 10	1.80	120	0.90

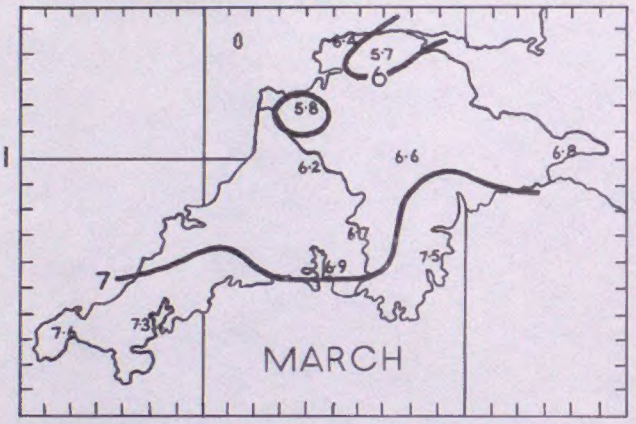
Year	Class	Station	Drainage area	Date	A'm't in.	D'r'n min.	Rate in/hr
Cornwall (Contd.)							
1959	N	St. Mawgan Airfield	1	Aug. 10	1.71	105	0.98
1959	N	St. Mawgan Airfield	1	Aug. 10	1.72	120	0.86
Devon S.							
1898	N	Plymouth	2	May 2	.93	25	2.23
1898	N	Plymouth	2	May 2	1.13	45	1.51
1908	R	Milton Abbot, Endsleigh	2	June 30	1.52	30	3.04
1911	V.R.	Beer Alston, Rumleigh	2	May 27	2.61	90	1.74
1929	N	Lifton, Kelly House	2	Oct. 5	1.00	60	1.00
1933	R	Roborough, Maristow Gardens	2	Aug. 11	1.40	35	2.40
1934	R	Yelveston, Oakfield	2	July 22	2.00	120	1.00
1936	N	Mary-Tavy, Blackdown	2	June 24	.84	35	1.44
1949	N	Horrabridge, Dostabrook	2	May 14	1.51	120	.75
1952	N	Plymouth, Mount Batten	2	Aug. 15	.98	48	1.23
1955	N	Plympton, Little Woodford	2	Aug. 12	1.19	60	1.19
1958	V.R.	Plymouth, Mount Batten	2	July 3	2.56	77	1.99
1959	N	Plymouth, Mount Batten	2	Aug. 10	1.31	120	0.65

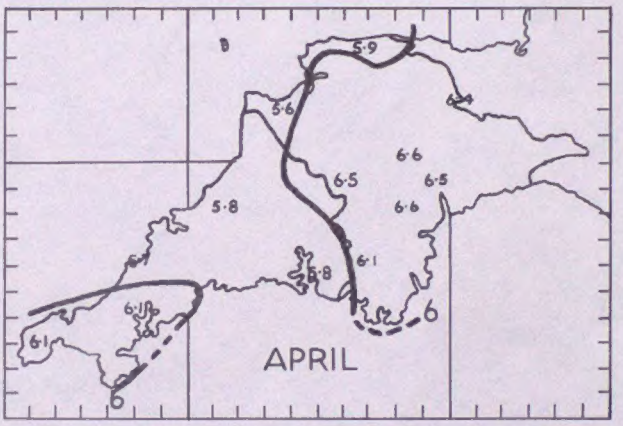
County	Drainage Areas	River Divs.
Dorset	2	Axe.
Somerset	5	Exe.
	6	Axe.
Devon N	1	N. Coast Streams
	2	Taw.
	3	Torridge
	4	W. Coast Streams
	5	Exe.
Devon S	3	Erm & C.
	4	Dart.
	5	Teign.
	6	Exe.
	7	Axe & C.
Cornwall	1	Camel & N.W. Coast Streams
	2	Fowey & S.E. Coast Streams
	3	Tamar & C.
	4	Insular
Devon S	1	Parrett
	2	Tamar & C.

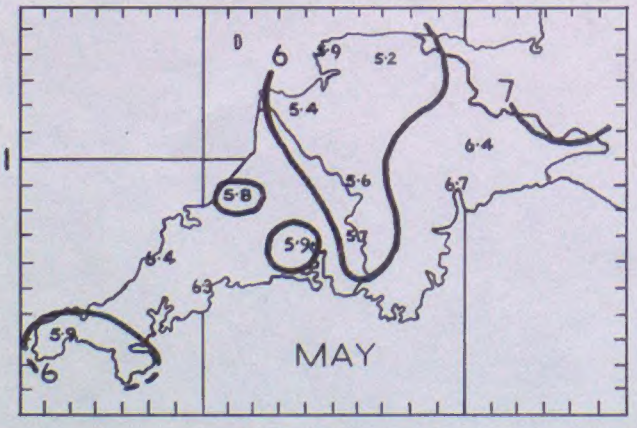
DNm 4593/1/30/63 90 5/63 R

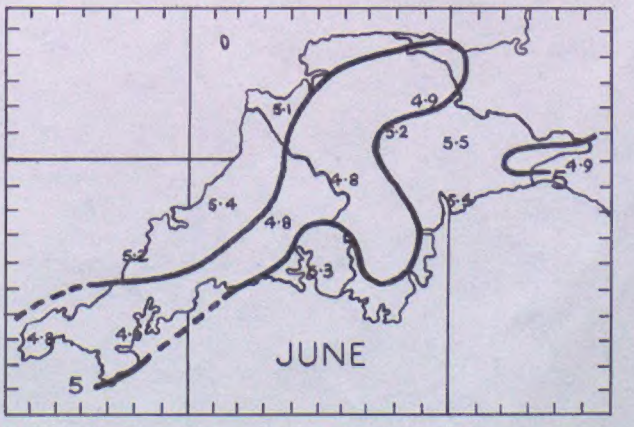




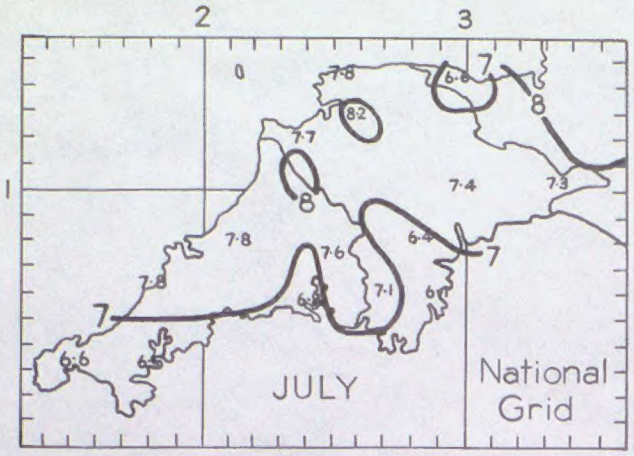


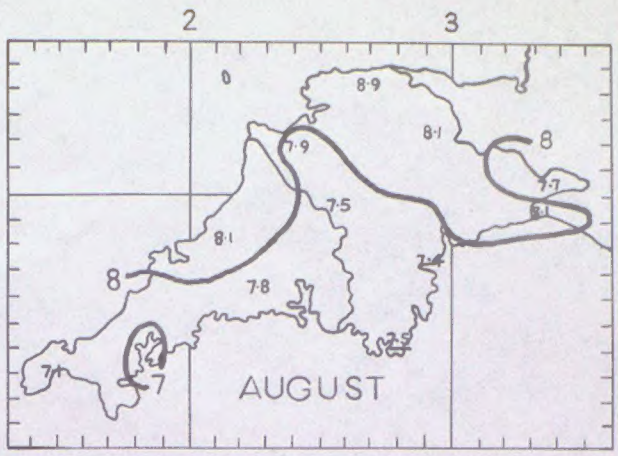


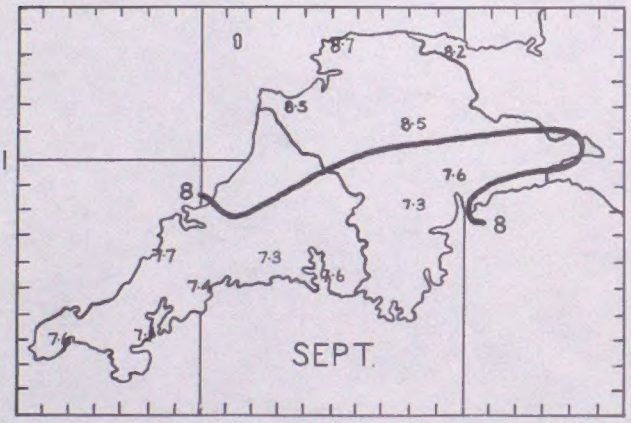


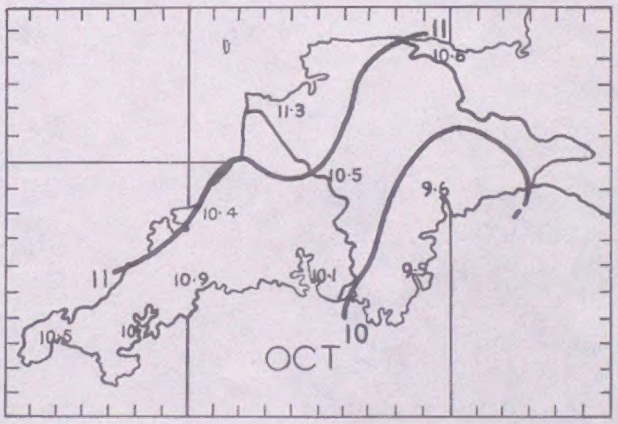


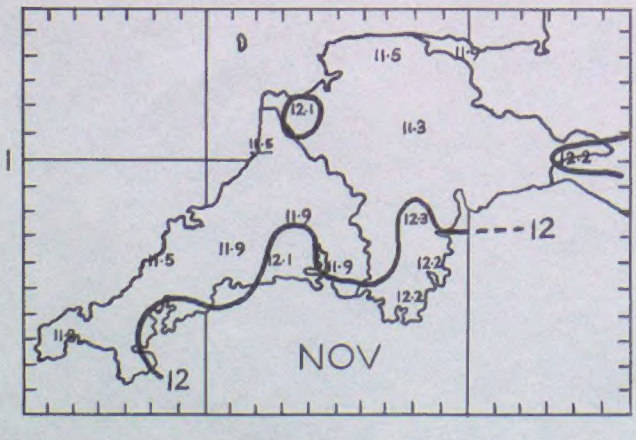
AVERAGE MONTHLY RAINFALL AS A PERCENTAGE OF AVERAGE ANNUAL RAINFALL (1916 – 1950)

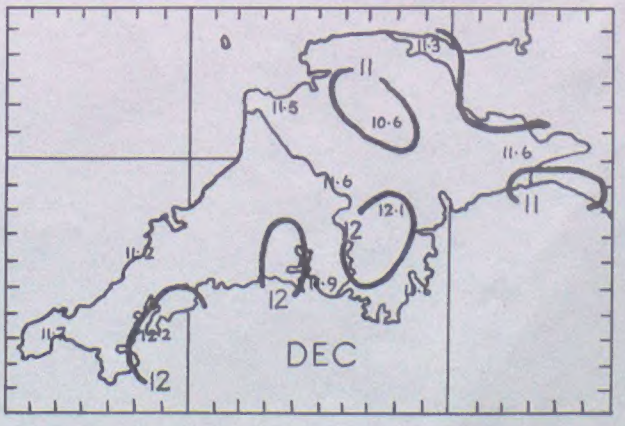












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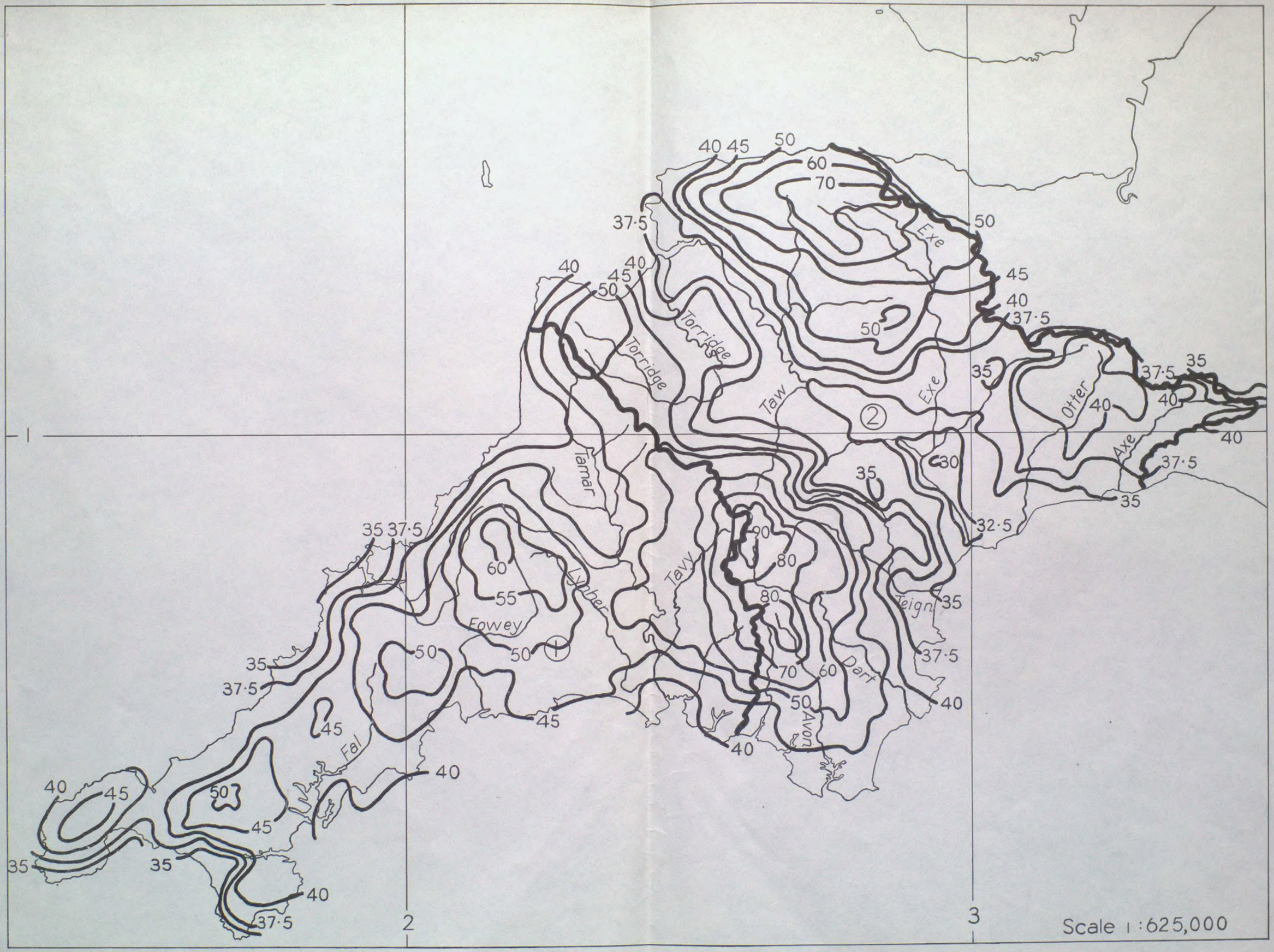

AVERAGE ANNUAL RAINFALL 1916 - 1950

(in inches) over the River Board areas of :-

① Cornwall ② Devon